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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/889,319	10/26/2001	Toshihiko Satou	22.852	2323

22852 7590 03/11/2004

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WASHINGTON, DC 20005

EXAMINER

KUMAR, SRILAKSHMI K

ART UNIT	PAPER NUMBER
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2675

DATE MAILED: 03/11/2004

5

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/889,319

Applicant(s)

SATOU ET AL.

Examiner

Srilakshmi K. Kumar

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-8 and 10 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-8 and 10 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. §§ 119 and 120**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☐ None of:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  
\* See the attached detailed Office action for a list of the certified copies not received.
- 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.  
a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 2. 6) ☐ Other: \_\_\_\_

### DETAILED ACTION

The following action is in response to the initial application filed on October 26, 2001. Claims pending are 1-8 and 10.

#### *Claim Rejections - 35 USC § 103*

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-8 and 10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kizaki et al (US 5.126.868).

As to independent claim 1, Kizaki et al disclose a display device (Fig. 1) including at least one display cell (Fig. 1 items 101 or 102) sealed by one seal member (Fig. 1, item 110) in which an electro optical converting member (liquid crystal) is held by two substrates (col. 6, lines 6-25), and having a defective area and a normal area in the inside of the seal member; Although Kizaki et al do not disclose a defective area and a normal area, it would have been obvious to one of ordinary skill in the art that most LCD panels would have a defective area next to the seal member as there would be some interference with the seal member;

another at least one display cell (Fig. 1, items 101 or 102) sealed by another seal member (Fig. 1, item 110) in which the electro-optical converting member (liquid crystal) is held by two substrates (col. 6, lines 6-25), and having the defective area and normal area in the inside of the seal member; and these display cells being overlapped; Although Kizaki et al do not disclose a defective area and a normal area, it would have been obvious to one of ordinary skill in the art

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that most LCD panels would have a defective area next to the seal member as there would be some interference with the seal member;

characterized in that the display cell provided to an opposite side of an observer has a normal area, which is wider than the display cell provided to a side of the observer (Fig. 1).

Although Kizaki et al do not disclose where the display cell is wider, it would have been obvious to one of ordinary skill in the art that LC cells could be made to be of any size and shape dependent on user requirements.

As to dependent claim 2, limitations of claim 1, and further comprising, characterized in that the display cell is a liquid crystal display cell in which the electro optical converting member consists of a liquid crystal (Fig. 1, item 113, col. 6, lines 6-44).

As to dependent claim 3, limitations of claim 2, and further comprising, wherein the display device is formed by overlapping two liquid crystal display cells and at least one liquid crystal display cell is a drive cell to which a liquid crystal drive voltage is applied (col. 7, lines 27-54).

As to dependent claim 4, limitations of claim 2, and further comprising, wherein the display device is formed by overlapping two liquid crystal display cells, one liquid crystal display cell is a drive cell to which a liquid crystal drive voltage is applied, and the other liquid crystal display cell is a correction cell to which the liquid crystal drive voltage is not applied (col. 7, lines 27-54).

As to dependent claim 5, limitations of claim 4, and further comprising, where in the drive cell and the correction cell, one of the inside sizes of the seal member is larger than the other side (Fig. 1, col. 6, lines 6-25).

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As to dependent claim 6, limitations of claim 4, and further comprising, wherein one of the sizes of an effective display area of the drive cell and the correction cell is larger than the other size of the effective area (Fig. 1, col. 6, lines 6-25).

As to dependent claim 7, limitations of claim 5 or 6, and further comprising, wherein the defective area having defects of cell gap and/or alignment in the vicinity of the inside of the seal member of the drive cell is overlapped in the range of the normal area having no defect of the correction cell (col. 9, lines 29-39)

As to dependent claim 8, limitations of claim 5 or 6, and further comprising, wherein the defective area having defects of cell gap and/or alignment in the vicinity of the inside of the seal member of the correction cell is overlapped in the range of the normal area having no defect of the correction cell (col. 9, lines 29-39)

As to dependent claim 10, limitations of any one of claims 2-8, and further comprising, wherein the liquid crystal is an STN liquid crystal (col. 5, lines 59-63).

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Srilakshmi K. Kumar** whose telephone number is **(703) 306 5575**.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Steven Saras, can be reached at (703) 305-9720.

**Any response to this action should be mailed to:**

Commissioner of Patents and Trademarks

Washington, D.C. 20231

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**or faxed to:**

**(703) 872-9314 (for Technology Center 2600 only)**

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, Sixth Floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (703) 306-0377.


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Srilakshmi K. Kumar whose telephone number is 703 306 5575. The examiner can normally be reached on 8:00 am to 4:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Steven J. Saras can be reached on 703 305 9720. The fax phone number for the organization where this application or proceeding is assigned is 703 872 9314.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703 305 4700.

Srilakshmi K. Kumar  
Examiner  
Art Unit 2675

SKK  
November 25, 2003



STEVEN SARAS  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2600